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PATENT ABSTRACTS OF JAPAN

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(54) SERVER AND DEVICE CONNECTED TO INTERNET AND COMMUNICATION SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a communication system in which a device at the side of the internet (WAN) can be easily connected to a device in a LAN at desired timing in a network environment in which the LAN is connected to the WAN.

SOLUTION: A device 101 periodically transmits a UDP (user datagram protocol) packet to a server 104. The server 104 sends a communication as a return packet to the UDP packet when needed to thereby be able to perform a communication to the device 101 beyond a NAT (network address translator). Particularly, the server 104 first sends a connection request 111 to the device 101 with the UDP, the device 101 receives the connection request 111 from the server 104 and performs TCP connection to the server 104. The server 104 controls communications (114 to 117) between a terminal 102 such as a portable telephone set and the device 101 on the established TCP.



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